

**JACOBSON HOLMAN PLLC**  
**400 SEVENTH STREET, N.W.**  
**WASHINGTON, D.C. 20004-2201**

## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.: P66877US0 GROUP ART UNIT: 1651  
 SERIAL NO.: 09/903590 FILING DATE: July 13, 2001  
 APPLICANT(S): COLLINS et al TODAY'S DATE: October 12, 2001

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE (If Appropriate)
AA						
AB						
AC						
AD						
AE						

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## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES) (NO)	
AL	WO98/35014	08/13/98	WIPO				
AM							
AN							
AO							

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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	McFarland et al, ANAEROBE, Vol. 3, No. 2-3, "Pharmaceutical probiotics for the treatment...", pgs. 73-78, 1997
AS	Charteris et al, JOURNAL OF APPLIED MICROBIOLOGY, Vol. 84, No. 5, "Development and application...", pgs. 759-768, May 1998
AT	

EXAMINER

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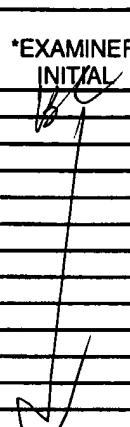
## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

APPLICANT: COLLINS et al.  
 SERIAL NO.: 10/804,223  
 FILING DATE: March 19, 2004

GROUP ART UNIT: 1614  
 ATTY. DOCKET NO.: P66877US2  
 TODAY'S DATE: February 8, 2005

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE (If Appropriate)
	AA	4,347,240	8-31-82	MUTAI			
	AB	4,435,389	3-6-84	MUTAI			
	AC	5,032,399	7-16-91	GORBACH			
	AD	5,711,977	1-27-98	YANG			
	AE	5,834,423	11-10-98	KOKETSU			
	AF	5,922,375	7-13-99	LUCHANSKY			
	AG	6,077,504	6-20-00	CAVALIERE V. VESLEY			
	AH	6,025,008	2-15-00	AKAHOSHI			
	AI	6,132,710	10-17-00	PANIGRAHI			
	AJ	6,368,591	4-9-02	CHEN			
	AK	6,645,530	11-11-03	BORODY			
	AL	6,746,671	6-8-04	STEIDLER			
	ALA	5,443,826	8-22-95	BORODY			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	Translation	
							(Yes)	(No)
J	AM	WO89/05849	6-24-89	WIPO				
	AN	WO90/09398	8-23-90	WIPO				
	AO	WO90/01335	2-22-90	WIPO				
	AP	WO97/35596	10-2-97	WIPO				
	AQ	WO98/00035	1-8-98	WIPO				
	AR	WO98/35014	8-13-98	WIPO				
	AS	WO99/51631	10-14-99	WIPO				
	AT	WO99/62348	12-9-99	WIPO				
	AU	WO00/42168	7-20-00	WIPO				
	AV	WO01/37865	5-31-01	WIPO				
	AW	WO01/85774	11-15-01	WIPO				
	AX	WO02/058712	8-1-02	WIPO				
	AY	WO02/083879	10-24-02	WIPO				
	AZ	EP 384319B	4-28-99	EPO				

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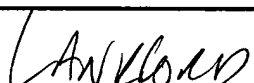
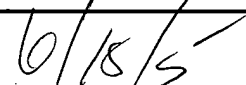
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## FOREIGN PATENT DOCUMENTS (continued)

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							(Yes)	(No)
	BA	EP508701B	7-10-96	EPO				
	BB	EP904784A	3-31-99	EPO				
	BC	EP1312667A	5-21-03	EPO				
	BD	GB1503094	3-8-78	U.K.				
	BE	RU2091075	4-20-98	RUSSIA			ABSTRACT	
	BF	RU2055827	3-10-96	RUSSIA			ABSTRACT	
	BG	JP05246864	9-24-93	JAPAN			ABSTRACT	
	BH	JP9241173	9-16-97	JAPAN			ABSTRACT	
	BI	SU1382467	3-23-88	RUSSIA				
	BJ	DE19945746	4-19-01	GERMANY			ABSTRACT	
	BK	KR2003063960	7-31-03	KOREA			ABSTRACT	
	BL	RU2109054	4-20-98	RUSSIA			ABSTRACT	
	BM	RU20001160	9-7-93	RUSSIA			ABSTRACT	

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**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER INITIALS		
<u>BC</u>	<u>BN</u>	Kim YC, Jeong HK, Kim SH, Moon IL, Kim BC, The properties of Bifidobacteria isolate from healthy Koreans, Korean J Dairy Sci, 20(3):191-204, 1998.
<u>/</u>	<u>BO</u>	Feeney, M., Morrissey, D., O'Sullivan, GC, Shanahan, F., Collins, JK. 1998. Lack of specific systemic immune response on oral consumption of probiotic lactobacilli. International Dairy Journal 8, No 5/6, 1998 Published Oct 16, 1998. Abstract from a meeting held in Cork, Ireland 30Sept -2 Oct 1997.
<u>/</u>	<u>BP</u>	Flynn, S. G.M. Thomson, D. Morrissey, J.K. Collins. (1998). Isolation and characterisation of the novel antibacterial proteins ABP-1 and ABP-118 from human isolates Lactobacillus salivarius ssp. salivarius UCC1 and UCC118. International Dairy Journal 8, No 5/6, 1998 Published Oct 16, 1998. Abstract from a meeting held in Cork, Ireland 30Sept -2 Oct 1997.
<u>/</u>	<u>BQ</u>	Charteris WP, Kelly PM, Morelli L, Collins JK. Antibiotic susceptibility of potentially probiotic Lactobacillus species. J Food Prot. 1998 Dec;61(12):1636-43.
<u>/</u>	<u>BR</u>	Charteris WP, Kelly PM, Morelli L, Collins JK. Antibiotic susceptibility of potentially probiotic Bifidobacterium isolates from the human gastrointestinal tract. Lett Appl Microbiol. 1998 May;26(5):333-7.
<u>/</u>	<u>BS</u>	Charteris WP, Kelly PM, Morelli L, Collins JK. Development and application of an in vitro methodology to determine the transit tolerance of potentially probiotic Lactobacillus and Bifidobacterium species in the upper human gastrointestinal tract. J Appl Microbiol. 1998 May;84(5):759-68.
<u>/</u>	<u>BT</u>	Collins JK, Thomson G, O'Sullivan G. Selection of probiotic strains for human applications. Int Dairy Journal. 1998, 8: 487-490.
<u>/</u>	<u>BU</u>	Gardiner G, Ross RP, Collins JK, Fitzgerald G, Stanton C. Development of a probiotic cheddar cheese containing human-derived Lactobacillus paracasei strains. Appl Environ Microbiol. 1998 Jun;64(6):2192-9.
<u>/</u>	<u>BV</u>	Gardiner, G., Collins, JK, Fitzgerald, G, Ross, P, Stanton, C. 1998. Characterisation of cheddar cheese harbouring probiotic lactobacillus adjuncts. International Dairy Journal 8, No 5/6, 1998 Published Oct 16, 1998. Abstract from a meeting held in Cork, Ireland 30Sept -2 Oct 1997.
<u>/</u>	<u>BW</u>	Kato D, et al "suppressive effects of the oral administration of L.casei on Type II collagen-induced arthritis in DBA/1 mice" Life Sciences, Vol 63, No. 8 1998, pp 635-644.
<u>/</u>	<u>BX</u>	Morrissey D, Murphy L, Marteau P, Kiely B, Fitzgerald G, Daly C, O'Sullivan G, Shanahan F, Collins JK. (1998) Selection of a probiotic strain to modify human gut flora and a controlled trial of delivery and efficacy. Ir. J. Med Sci. 167; 8: 7 Abstract from meeting of Irish Society for Gastroenterology, June 12-13 1998
<u>/</u>	<u>BY</u>	Murphy, L, Thomson, G., Marteau, P., Morrissey, D., O'Sullivan, GC, Shanahan, F., Collins, JK. 1998. Long-term colonisation with Lactobacillus salivarius ssp. salivarius UCC118: A probiotic candidate. International Dairy Journal 8, 595. No 5/6, Published Oct 16, 1998. Abstract from a meeting held in Cork, Ireland 30 Sept -2 Oct 1997.

EXAMINER <u>Canfield</u>	DATE CONSIDERED <u>10/18/15</u>
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INITIALS

BZ

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O'Halloran S, Feeney M, Morrissey D, Murphy L, Thorton G, Shanahan F, O'Sullivan G, Collins JK. (1998) Adhesion of potential probiotic bacteria to human epithelial cell lines. International Dairy Journal 8, 596, No 5/6, 1998 Published Oct 16, 1998. Abstract from a meeting held in Cork, Ireland 30 Sept -2 Oct 1997.

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CD

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EXAMINER

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10/16/5

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INITIALS**

LBC

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**CP**

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**CT**

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LANE GORD

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INITIALS

<u>DO</u>	Thomton G, O'Sullivan M, O'Sullivan G, Weerkamp A, Shanahan F, Collins JK, Bile acid tolerance and deconjugating activity of lactobility, Irish Journal of Medical Science, Supplement with Proceedings of the Irish Society of Gastroenterology Meeting 25 and 26th Nov 1994.
<u>DP</u>	Thomton G, O'Sullivan G, Collins JK The production of a novel anti-microbial substance by human intestinal microflora, Irish Journal of Medical Science, Supplement with Proceedings of the Irish Society of Gastroenterology Meeting 3and 4th June 1994.
<u>DQ</u>	Thomton G, O'Sullivan G, Collins JK, Towards an understanding of the survival mechanism employed by the health promoting commensal flora of the human small intestine, Irish Journal of Medical Science, Supplement with Proceedings of the Irish Society of Gastroenterology Meeting 3 and 4th June 1994.
<u>DR</u>	Zhang, Houde et al. Treatment of Acute Enteritis with Oral Administration of Short-Term High-Dose Bifidobacteria. Chinese Journal of Microecology, Vol. 6, No. 6, p. 47 (1994)
<u>DS</u>	Kulkarni, N. and Reddy, B. Proc. Soc. Experim. Biol. Med. 1994;207:278-283.
<u>DT</u>	Shanahan F, O' Sullivan GC, Collins JK (1994). Immunosuppressive agents in inflammatory bowel disease. " Inflammatory Bowel Disease: Basic Research, Clinical Implications". (Eds. Sutherland L.R., Collins S.M., Martin F., McLeod R., Targan S.R., Wallace J.L. and Williams C.N.) Kluwer academic publishers, Dordrecht, Netherlands.1994; 367.
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<u>DX</u>	Vaughan, E.E., Caplice, E., Looney, R., O'Rourke, N., Coveney, H., Daly, C. and Fitzgerald, G.F. 1994. Isolation from food sources, of lactic acid bacteria that produced antimicrobials. J. Appl. Bacteriol. 76, 118-123.
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<u>EB</u>	Bouhnik, Y., Lait 1993: 73:241-247.

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Klaenhammer, Tod R. XP-002072788, FEMS Microbiology Reviews 12 (1993) 39861993 Federation of European Microbiological Societies 0168-6445/93

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 SERIAL NO.: 10/804,223  
 FILING DATE: March 19, 2004

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EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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| <div style="text-align: center;">FS</div> <hr/> <div style="text-align: center;">FT</div> <hr/> <div style="text-align: center;">FU</div> <hr/> <div style="text-align: center;">FV</div> <hr/> <div style="text-align: center;">FW</div> <hr/> <div style="text-align: center;">FX</div> <hr/> <div style="text-align: center;">FY</div> <hr/> <div style="text-align: center;">FZ</div> <hr/> <div style="text-align: center;">GA</div> <hr/> <div style="text-align: center;">GB</div> <hr/> <div style="text-align: center;">GC</div> | <p>Dunne C, O'Halloran S, O'Mahony L, et al. Epithelial adhesion of probiotic microorganisms in vitro and in vivo GASTROENTEROLOGY 116 (4): G3058 Part 2 APR 1999</p> <p>O'Mahony L, Feeney M, Halloran S, Murphy L, Kiely B, O'Sullivan G, Shanahan F, Collins JK, Consumption of probiotic bacteria ameliorates enterocolitis in IL-10KO mice, Irish Journal of Medical Science, Supplement with Proceedings of the Irish Society of Gastroenterology Meeting 11 and 12th June 1999.</p> <p>O'Mahony L, Feeney M, O'Halloran S, Murphy L, Kiely B, O'Sullivan G, Shanahan F, Collins JK, Probiotic treatment of enterocolitis in IL-10 KO mice, Sixth Symposium on Lactic acid bacteria, Veldhoven The Netherlands, 19-23 Sept 1999, Book of Abstracts.</p> <p>Gardiner G, Stanton C, Scanlon F, Wallace J, Collins JK, Fitzgerald G, Lynch PB, Ross RP, Cheddar cheese as a probiotic delivery system, Sixth Symposium on Lactic acid bacteria, Veldhoven The Netherlands, 19-23 Sept 1999, Book of Abstracts.</p> <p>Gardiner G, O'Sullivan E, Kelly J, Auty M, Ross RP, Collins JK, Fitzgerald G, Stanton C, Preparation of spray dried powders harbouring high levels of probiotic lactobacilli, Sixth Symposium on Lactic acid bacteria, Veldhoven The Netherlands, 19-23 Sept 1999, Book of Abstracts.</p> <p>O'Mahony L, Feeney M, Sheehan D, MacSharry J, Kiely B, O'Sullivan G, Shanahan F, Collins JK, UCC118 modulates proinflammatory cytokine production in vitro, Irish Journal of Medical Science, Supplement with Proceedings of the Irish Society of Gastroenterology Meeting 26 and 27th November 1999.</p> <p>Gardiner G, Stanton C, Lynch PB, Collins JK, Fitzgerald G, Ross RP. Evaluation of cheddar cheese as a food carrier for delivery of a probiotic strain to the gastrointestinal tract. J Dairy Sci. 1999 Jul;82(7):1379-87</p> <p>Gardiner GE, Ross RP, Wallace JM, Scanlan FP, Jagers PP, Fitzgerald GF, Collins JK, Stanton C. Influence of a probiotic adjunct culture of Enterococcus faecium on the quality of cheddar cheese. J Agric Food Chem. 1999 Dec;47(12):4907-16 Mattila-Sandholm T, Blum S, Collins JK, Crittenden R, de Vos W, Dunne C, Fondén R, Grenov G,</p> <p>Isolauri E, Kiely B, Marteau P, Morelli L, Ouwehand AC, Reniero R, Saarela M, Salminen S, Saxelin M, Schriffin E, Shanahan F, Vaughan E, Von Wright A. 1999a Probiotics: Towards demonstrating efficacy. Trends Food Science and Technology 10, 393-399.</p> <p>Murphy L, Byrne F, Collins JK, Shanahan F, O'Sullivan G, Aranda R (1999a) Evaluation and characterization of probiotic therapy in the CD45R bhi transger model of colitis. Gastroenterology 116,G3382.</p> <p>Murphy L, Dunne C, Kiely B, Shanahan F, O'Sullivan G, Collins JK. In vivo assessment of potential probiotic lactobacillus salivarius strains: Evaluation of their establishment, persistence, and localization in the murine gastrointestinal tract. Microbial Ecology in Health and Disease 1999, 11:149-157.</p> |
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